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Michael Davis, Linnet Holland, or John Tremblay (301) 763-1605

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## **JULY 2009 CONSTRUCTION AT \$958.0 BILLION ANNUAL RATE**

The U.S. Census Bureau of the Department of Commerce announced today that construction spending during July 2009 was estimated at a seasonally adjusted annual rate of \$958.0 billion, 0.2 percent ( $\pm 1.6\%$ )\* below the revised June estimate of \$959.5 billion. The July figure is 10.5 percent ( $\pm 1.8\%$ ) below the July 2008 estimate of \$1,070.2 billion.

During the first 7 months of this year, construction spending amounted to \$543.8 billion, 11.4 percent ( $\pm 1.3\%$ ) below the \$613.5 billion for the same period in 2008.

#### PRIVATE CONSTRUCTION

Spending on private construction was at a seasonally adjusted annual rate of \$630.4 billion, 0.1 percent  $(\pm 1.0\%)$ \* above the revised June estimate of \$629.6 billion. Residential construction was at a seasonally adjusted annual rate of \$245.6 billion in July, 2.3 percent  $(\pm 1.3\%)$  above the revised June estimate of \$240.1 billion. Nonresidential construction was at a seasonally adjusted annual rate of \$384.9 billion in July, 1.2 percent  $(\pm 1.0\%)$  below the revised June estimate of \$389.5 billion.

#### **PUBLIC CONSTRUCTION**

In July, the estimated seasonally adjusted annual rate of public construction spending was \$327.6 billion, 0.7 percent  $(\pm 2.6\%)^*$  below the revised June estimate of \$329.9 billion. Educational construction was at a seasonally adjusted annual rate of \$90.8 billion, 1.3 percent  $(\pm 3.7\%)^*$  below the revised June estimate of \$92.0 billion. Highway construction was at a seasonally adjusted annual rate of \$83.8 billion, 1.0 percent  $(\pm 7.0\%)^*$  below the revised June estimate of \$84.7 billion.

August 2009 data will be released on October 1, 2009 at 10:00 A.M. EDT. For more detailed data and methodologies, go to our website:

http://www.census.gov/constructionspending

#### **EXPLANATORY NOTES**

In interpreting changes in the statistics in this release, note that month-to-month changes in seasonally adjusted statistics often show movements which may be irregular. It may take 2 months to establish an underlying trend for total construction and as long as 8 months for specific categories of construction. The statistics in this release are estimated from several sources and surveys and are subject to sampling variability as well as nonsampling error including bias and variance from response, nonreporting, and undercoverage. Estimates of the standard errors are provided in Table 3. Whenever a statement such as "2.3 (±3.1) percent above" appears in the text, this indicates the range (-0.8 to +5.4 percent) in which the actual percent change is likely to have occurred. All ranges given are 90 percent confidence intervals and account only for sampling variability. If a range does not contain zero, the change is statistically significant. If it does contain zero, the change is not statistically significant; that is, it is uncertain whether there was an increase or decrease. Statistics for the current month are preliminary estimates subject to revision in following months as additional data become available. The average absolute percent changes from preliminary estimate to first revision for the major seasonally adjusted components are as follows: total construction, 0.5 percent; private construction, 0.6 percent; and public construction, 0.7 percent.

New Length of Time data for Private Nonresidential, Private Multifamily and State and Local Construction are available. Go to the Related Studies menu on our website.

<sup>\* 90%</sup> confidence interval includes zero. The U.S. Census Bureau does not have sufficient statistical evidence to conclude that the actual change is different from zero.

Table 1. Value of Construction Put in Place in the United States, Seasonally Adjusted Annual Rate (Millions of dollars. Details may not add to totals due to rounding.)

Type of Construction	Jul 2009 <sup>p</sup>	Jun 2009 <sup>r</sup>	May 2009 <sup>r</sup>	Apr 2009	Mar 2009	Jul 2008	Percent change Jul 2009 from -	
							Jun 2009	Jul 2008
Total Construction	958,037	959,507	958,347	971,363	966,699	1,070,249	-0.2	-10.5
Residential	254,202	248,464	249,143	260,305	256,479	347,694	2.3	-26.9
Nonresidential	703,835	711,043	709,204	711,059	710,220	722,555	-1.0	-2.6
Lodging	24,061	26,250	28,458	30,310	31,339	37,259	-8.3	-35.4
Office	58,765	59,144	58,693	58,760	62,905	71,419	-0.6	-17.7
Commercial	58,405	59,460	62,742	65,808	69,087	86,404	-1.8	-32.4
Health care	49,851	50,104	48,740	48,109	47,827	48,825	-0.5	2.1
Educational	108,022	109,436	107,757	108,027	109,166	106,085	-1.3	1.8
Religious	6,508	6,415	6,105	6,858	6,997	7,040	1.4	-7.6
Public safety	14,636	14,819	14,870	14,202	14,068	12,754	-1.2	14.8
Amusement and recreation	20,192	20,317	19,546	19,918	20,096	21,454	-0.6	-5.9
Transportation	35,267	35,407	34,380	32,889	31,720	34,677	-0.4	1.7
Communication	20,088	20,079	21,191	21,171	19,959	25,135	0.0	-20.1
Power	91,094	92,802	92,684	92,096	85,743	82,797	-1.8	10.0
Highway and street	83,889	84,787	81,403	80,395	79,380	81,155	-1.1	3.4
Sewage and waste disposal	25,412	25,819	25,324	25,981	27,003	25,151	-1.6	1.0
Water supply	17,263	16,606	15,543	16,047	16,217	18,449	4.0	-6.4
Conservation and development	5,732	5,788	5,778	5,785	6,196	6,186	-1.0	-7.3
Manufacturing	84,652	83,811	85,991	84,703	82,516	57,766	1.0	46.5
Total Private Construction <sup>1</sup>	630,422	629,601	639,823	654,126	650,396	759,801	0.1	-17.0
Residential	245,566	240,129	241,407	252,662	248,859	339,939	2.3	-27.8
Nonresidential	384,857	389,472	398,415	401,465	401,537	419,863	-1.2	-8.3
Lodging	24,002	26,200	28,399	30,224	31,243	36,974	-8.4	-35.1
Office	42,816	43,562	44,106	43,724	48,084	57,865	-1.7	-26.0
Commercial	54,108	55,044	58,770	62,121	64,954	82,759	-1.7	-34.6
Health care	38,831	39,427	38,510	38,886	38,401	40,293	-1.5	-3.6
Educational	17,174	17,436	17,644	17,359	17,792	19,120	-1.5	-10.2
Religious	6,496	6,412	6,105	6,857	6,997	7,040	1.3	-7.7
Amusement and recreation	8,289	8,421	8,530	8,835	9,312	10,425	-1.6	-20.5
Transportation	9,682	9,726	9,829	9,426	8,664	9.739	-0.5	-0.6
Communication	20,059	20,024	21,134	21,130	19,929	25,016	0.2	-19.8
Power	78,301	78,960	78,703	77,233	72,677	71,272	-0.8	9.9
Manufacturing	83,961	83,194	85,383	84,134	81,963	57,286	0.9	46.6
Total Public Construction <sup>2</sup>	327,615	329,906	318,524	317,237	316,303	310,448	-0.7	5.5
Residential	8,637	8,335	7,736	7,643	7,621	7,756	3.6	11.4
Nonresidential	318,978	321,571	310,788	309,594	308,682	302,692	-0.8	5.4
Office	15,949	15,583	14,588	15,036	14,822	13,554	2.3	17.7
Commercial	4,297	4,416	3,972	3,687	4,133	3,645	-2.7	17.9
Health care	11,020	10,677	10,229	9,222	9,426	8,532	3.2	29.2
Educational	90,847	92,000	90,113	90,668	91,374	86,965	-1.3	4.5
Public safety	14,353	14,510	14,420	13,795	13,720	12,109	-1.1	18.5
Amusement and recreation	11,903	11,895	11,016	11,083	10,784	11,029	0.1	7.9
Transportation	25,585	25,681	24,551	23,463	23,056	24,939	-0.4	2.6
Power	12,793	13,841	13,981	14,863	13,066	11,525	-7.6	11.0
Highway and street	83,793	84,668	81,298	80,168	79,235	80,972	-1.0	3.5
Sewage and waste disposal	25,038	25,486	24,865	25,461	26,635	24,596	-1.8	1.8
Water supply	16,906	16,308	15,265	15,693	15,664	17,837	3.7	-5.2
Conservation and development	5,706	5,781	5,767	5,759	6,088	6,107	-1.3	-6.6

<sup>&</sup>lt;sup>p</sup> Preliminary <sup>r</sup> Revised

<sup>&</sup>lt;sup>1</sup> Includes the following categories of private construction not shown separately: public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

<sup>&</sup>lt;sup>2</sup> Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

Table 2. Value of Construction Put in Place in the United States, Not Seasonally Adjusted

(Millions of dollars. Details may not add to totals due to rounding.)

Total Construction								Year-to-date		
Residential	Type of Construction				•					Percent change
Nonresidential	Total Construction	88,714	86,628	80,952	78,292	73,472	99,100	543,750	613,511	-11.4
Lodging	Residential	24,652	22,842	21,785	21,276	19,439	33,483	146,486	212,980	-31.2
Office         5,053         5,089         4,981         4,910         5,088         6,159         34,705         40,413         -21           Commercial         5,118         5,187         5,270         5,345         5,341         7,663         468         50,439         -22,7           Health care         4,168         4,310         4,084         3,979         3,911         4,095         27,795         26,841         3,764         3,976         3,876         3,976         3,764         3,986         5,881         3,764         3,986         5,881         3,764         3,996         5,88         6,988         16,108         1,984         1,270         1,688         1,584         1,886         1,1984         1,889         1,698         1,684         1,886         1,1984         1,880         1,1984         1,129         2,596         2,645         2,335         3,038         1,556         6,989         2,675         2,745         2,235         3,038         1,556         1,529         9,1         1,773         1,869         1,584         1,866         1,584         1,862         1,4         1,733         1,869         1,862         1,4         1,733         1,852         1,4         1,74	Nonresidential	64,062	63,786	59,167	57,016	54,033	65,617	397,264	400,531	-0.8
Commercial Health care	Lodging	2,005	2,188	2,372	2,526	2,612	3,105	16,581	20,847	-20.5
Health care	Office	5,053	5,089	4,981	4,910	5,068	6,159	34,705	40,413	-14.1
Educational Religious 566 529 501 549 547 610 3,764 3,996 58,917 Religious 556 529 501 549 547 610 3,764 3,996 58,917 Religious 556 529 501 1,210 1,160 1,088 1,094 8,123 6,998 161.  Public safety 1,270 1,265 1,210 1,160 1,088 1,094 8,123 6,998 161.  Amusement and recreation 1,767 1,785 1,693 1,686 1,584 1,866 11,333 12,529 9-1.  Transportation 3,167 3,096 2,856 2,645 2,335 3,035 18,565 18,822 1-14.  Communication 1,1713 1,815 1,1681 1,730 1,669 2,192 11,512 15,737 -26.8  Power 7,962 8,096 7,670 7,449 6,635 7,157 0,5751 44,473 14.1  Highway and street 9,215 8,786 6,399 5,815 4,665 8,927 43,276 42,526 1.8  Sewage and waste disposal 2,256 2,307 2,150 2,093 2,029 2,220 14,234 13,907 2.4  Water supply 1,474 1,437 1,310 1,323 1,285 1,588 9,140 9,439 -3.2  Conservation and development 496 476 437 464 487 515 3,183 3,000 61.  Manufacturing 7,033 7,032 6,998 6,825 6,825 6,856 4,852 46,689 31,684 47.5  Total Private Construction 1 56,855 55,618 54,084 53,364 50,991 68,989 367,065 445,299 -17.6  Residential 32,974 33,531 32,966 32,727 32,140 36,186 225,144 236,427 4.8  Lodging 2,000 2,183 2,267 2,519 2,604 3,081 6,534 20,621 -19.4  Commercial 4,740 4,804 4,941 5,035 5,058 7,355 34,246 48,409 -29.3  Health care 3,258 3,392 3,327 3,200 3,107 3,398 22,118 21,966 0.7  Educational 1,151 1,612 1,543 3,207 3,200 3,107 3,399 22,118 21,966 0.7  Total Private Construction 697 710 714 762 772 882 6,079 33,181 21,44 Commercial 1,171 1,111 1,111 1,677 1,726 1,677 2,882 6,079 33,181 21,44 Commercial 1,171 1,181 1,677 1,726 1,677 2,882 6,079 3,784 3,784 6,890 6,397 6,797 6,403 4,812 4,556 4,109 11.1  Nonresidential 31,088 30,255 5,990 6,980 6,948 6,777 6,403 4,812 4,556 4,109 11.1  Nonresidential 31,088 30,255 2,200 12,429 2,149 4,149 1,146 1	Commercial	5,118	5,187	5,270	5,345	5,381	7,663	36,463	50,439	-27.7
Religious   5.56   5.29   5.01   5.49   5.47   6.10   3.764   3.996   5.88   Public safety   1.270   1.255   1.210   1.160   1.088   1.094   8.123   6.998   16.1   Amusement and recreation   1,767   1,765   1.693   1.686   1.584   1.866   11.393   12.529   9.1   Transportation   3.167   3.096   2.856   2.645   2.335   3.038   18.665   18.622   -1.4   7.000   7.0	Health care	4,168	4,310	4,084	3,979	3,911	4,095	27,795	26,841	3.6
Public safety	Educational	10,809	10,390	9,015	8,520	7,970	10,535	61,089	58,917	3.7
Amusement and recreation	· ·						610	,		-5.8
Transportation	Public safety	-					,	-		16.1
Communication	Amusement and recreation									-9.1
Power	•									-1.4
Highway and street 9,215 8,786 6,939 5,815 4,665 8,927 43,276 42,526 1.8 Sewage and waste disposal 2,256 2,307 2,150 2,093 2,220 2,220 14,234 13,907 2.4 Water supply 1,474 1,437 1,310 1,323 1,285 1,588 9,140 9,439 -3.2 Conservation and development 496 476 437 464 487 515 3,183 3,000 6.1 Manufacturing 7,033 7,032 6,998 6,825 6,450 4,852 46,689 31,648 47.5  Total Private Construction 56,855 55,618 54,084 53,364 50,991 68,989 367,065 445,299 -17.6 Residential 23,881 22,087 21,118 20,638 18,851 32,803 141,921 208,871 -32.1 Nonresidential 32,974 33,531 32,966 32,727 32,140 36,186 225,144 236,427 4.8 Lodging 2,000 2,183 2,367 2,519 2,604 3,081 16,534 20,521 -19.4 Office 3,657 3,326 3,393 4,982 26,079 33,181 -21.4 Commercial 4,740 4,804 4,941 5,035 5,058 7,355 34,246 48,409 -29.3 Health care 3,258 3,392 3,227 3,003 3,107 3,389 2,2118 2,1966 0.7 Educational 1,615 1,612 1,543 1,449 1,350 1,767 10,191 10,665 -4.4 Religious 555 529 501 549 547 610 3,761 3,978 -5.5 Amusement and recreation 697 710 714 762 772 882 5,103 6,197 -17.7 Transportation 819 841 836 768 663 808 5,211 5,568 -6.4 Communication 1,711 1,811 1,677 1,726 1,667 4,182 11,486 15,638 -6.4 Communication 6,975 6,980 6,948 6,777 6,403 4,812 46,350 31,366 7,282 118 2,196 0,77 Gab and a series of the communication 1,1615 1,363 1,364 1,364 1,364 1,364 1,364 1,364 1,364 1,364 1,365		-								-26.8
Sewage and waste disposal         2,266         2,307         2,150         2,093         2,029         2,220         14,234         13,907         2,4           Water supply         1,474         1,437         1,310         1,323         1,285         1,588         9,140         9,439         -3.2           Conservation and development Manufacturing         496         476         437         464         487         515         3,183         3,000         6.1           Total Private Construction 1         56,855         55,618         54,084         53,364         50,991         68,989         367,065         445,299         -17.6           Residential         23,881         22,087         21,118         20,638         18,851         32,803         141,921         208,871         -32.1           Norresidential         32,974         33,531         32,966         32,727         32,140         36,186         225,144         236,427         -4.8           Lodging         2,000         2,183         2,367         2,519         2,604         3,081         16,534         20,521         19.4           Office         3,657         3,726         3,738         3,665         3,893         4,892 <td< td=""><td>Power</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td>14.1</td></td<>	Power	-						•		14.1
Water supply Conservation and development Manufacturing         1,474 496 476 437 437 464 487 515 3,183 3,000 6.1         1,323 487 464 487 515 3,183 3,000 6.1         4,333 3,000 6.1         4,334 464 487 515 3,183 3,000 6.1         4,333 3,000 6.1         4,337 464 487 515 3,183 3,000 6.1         4,352 46,689 31,648 47.5         4,552 46,689 31,648 47.5         4,552 46,689 31,648 47.5         445,299 47.6         -17.6           Total Private Construction 1         56,855 55,618 54,084 53,364 50,991 68,989 367,065 445,299 -17.6         50,991 68,989 367,065 445,299 -17.6         -17.6		-								1.8
Conservation and development Manufacturing 7,033 7,032 6,998 6,825 6,450 4,852 46,689 31,648 47.5  Total Private Construction 56,855 55,618 54,084 53,364 50,991 68,989 367,065 445,299 -17.6  Residential 23,881 22,087 21,118 20,638 18,851 32,803 141,921 208,871 -32.1  Nonresidential 32,974 33,531 32,966 32,727 32,140 36,186 225,144 236,427 -4.8  Lodging 2,000 2,183 2,367 2,519 2,604 3,081 16,534 20,521 -19.4  Coffice 3,657 3,726 3,738 3,665 3,833 4,982 26,079 33,181 -21.4  Commercial 4,740 4,804 4,941 5,035 5,058 7,355 34,246 48,409 -29.3  Health care 3,258 3,392 3,227 3,200 3,107 3,399 22,118 21,966 0.7  Educational 1,615 1,612 1,543 1,449 1,350 1,767 10,191 10,665 -4.7  Religious 555 529 501 549 547 610 3,761 3,978 -5.5  Amusement and recreation 697 710 714 762 772 882 5,103 6,197 -17.7  Transportation 819 841 836 768 663 808 5,211 5,568 6,197 -17.7  Transportation 1,711 1,811 1,677 1,726 1,667 2,182 11,486 15,638 -26.6  Power 6,854 6,850 6,367 6,153 5,961 6,143 43,294 37,642 15.0  Manufacturing 6,975 31,010 26,868 24,928 22,481 30,111 176,685 168,213 5.0  Total Public Construction 379 382 328 310 323 308 2,217 2,029 9.3  Health care 910 918 857 778 804 706 5,677 4,875 16.5  Public safety 1,246 1,238 1,172 1,127 1,061 1,037 7,897 6,576 20.1  Amusement and recreation 1,070 1,075 980 924 813 394 6,290 6,333 -0.7  Transportation 2,348 2,255 2,020 1,877 1,672 2,230 13,354 42,294 2,381 1,3254 9,904 11.1  Former and recreation 1,070 1,075 980 924 1,114 7,458 6,832 9.2  Highway and street 9,207 8,776 6,931 5,798 4,656 8,910 43,208 42,287 1.99		-								
Manufacturing         7,033         7,032         6,998         6,825         6,450         4,852         46,689         31,648         47.5           Total Private Construction 1         56,855         55,618         54,084         53,364         50,991         68,989         367,065         445,299         -17.6           Residential         23,881         22,087         21,118         20,638         18,851         32,803         141,921         208,871         -32.1           Nonresidential         32,974         33,531         32,966         32,727         32,140         36,186         225,144         236,427         -4.8           Lodging         2,000         2,183         2,367         2,519         2,604         3,081         16,534         20,521         -19.4           Office         3,657         3,726         3,738         3,665         3,893         4,982         26,079         33,181         -21.4           Commercial         4,740         4,804         4,941         1,5035         5,568         7,355         34,246         48,409         -29.3           Health care         3,258         3,392         3,227         3,200         3,107         3,389         22,118 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td></t<>							•			
Total Private Construction 1         56,855         55,618         54,084         53,364         50,991         68,989         367,065         445,299         -17.6           Residential         23,881         22,087         21,118         20,638         18,851         32,803         141,921         208,871         -32.1           Nonresidential         32,974         33,531         32,966         32,727         32,140         36,186         225,144         236,427         -4.8           Lodging         2,000         2,183         2,367         2,519         2,604         3,081         16,534         20,521         -19.4           Office         3,657         3,726         3,738         3,665         3,893         4,982         26,079         33,181         221.4           Commercial         4,740         4,804         4,941         5,035         5,058         7,355         34,246         48,409         -29.3           Health care         3,258         3,392         3,227         3,200         3,107         3,389         22,118         21,966         0.7           Religious         555         529         501         549         547         610         3,761         3,978	·		-	_	-	-		-,	•	
Residential         23,881         22,087         21,118         20,638         18,851         32,803         141,921         208,871         -32.1           Nonresidential         32,974         33,531         32,966         32,727         32,140         36,186         225,144         236,427         -4.8           Lodging         2,000         2,183         2,367         2,519         2,604         3,081         16,534         20,521         -19,4           Office         3,657         3,726         3,738         3,665         3,893         4,982         26,079         33,181         -21,4           Commercial         4,740         4,804         4,941         5,035         5,058         3,329         22,118         21,966         0.7           Educational         1,615         1,612         1,543         1,449         1,350         1,767         10,191         10,665         -4,4           Religious         555         529         501         549         547         610         3,761         3,978         -5.5           Amusement and recreation         697         710         714         762         772         882         5,103         6,197         147.	Manufacturing	7,033	7,032	6,998	6,825	6,450	4,852	46,689	31,648	47.5
Nonresidential   32,974   33,531   32,966   32,727   32,140   36,186   225,144   236,427   -4.8	Total Private Construction <sup>1</sup>	56,855	55,618	54,084	53,364	50,991	68,989	367,065	445,299	-17.6
Lodging	Residential	23,881	22,087	21,118	20,638	18,851	32,803	141,921	208,871	-32.1
Lodging	Nonresidential	32.974	33.531	32.966	32,727	32.140	36.186	225.144	236.427	-4.8
Office         3,657         3,726         3,738         3,665         3,893         4,982         26,079         33,181         -21.4           Commercial         4,740         4,804         4,941         5,035         5,058         7,355         34,246         48,409         -29.3           Health care         3,258         3,392         3,227         3,200         3,107         3,389         22,118         21,966         0.7           Educational         1,615         1,612         1,543         1,449         1,350         1,767         10,191         10,665         -4.4           Religious         555         529         501         549         547         610         3,761         3,978         -5.5           Amusement and recreation         697         710         714         762         772         882         5,103         6,197         -17.7           Transportation         1,711         1,811         1,677         1,726         1,667         2,182         11,486         15,638         -26.6         6.4           Power         6,854         6,850         6,367         6,153         5,961         6,143         43,294         37,642         15.0 <td></td> <td></td> <td></td> <td>,</td> <td>,</td> <td>,</td> <td>,</td> <td></td> <td>-</td> <td>-19.4</td>				,	,	,	,		-	-19.4
Health care		-							•	-21.4
Educational   1,615   1,612   1,543   1,449   1,350   1,767   10,191   10,665   -4.4	Commercial	4,740	4,804	4,941	5,035	5,058	7,355	34,246	48,409	-29.3
Religious         555         529         501         549         547         610         3,761         3,978         -5.5           Amusement and recreation         697         710         714         762         772         882         5,103         6,197         -17.7           Transportation         819         841         836         768         663         808         5,211         5,568         -6.4           Communication         1,711         1,811         1,677         1,726         1,667         2,182         11,486         15,638         -6.4           Power         6,854         6,850         6,367         6,153         5,961         6,143         43,294         37,642         15.0           Manufacturing         6,975         6,980         6,948         6,777         6,403         4,812         46,350         31,356         47.8           Total Public Construction²         31,859         31,010         26,868         24,928         22,481         30,111         176,685         168,213         5.0           Residential         771         755         667         638         588         681         4,565         4,109         11.1	Health care	3,258	3,392	3,227	3,200	3,107	3,389	22,118	21,966	0.7
Amusement and recreation	Educational	1,615		1,543	1,449	1,350	1,767	10,191	10,665	-4.4
Transportation         819         841         836         768         663         808         5,211         5,568         -6.4           Communication         1,711         1,811         1,677         1,726         1,667         2,182         11,486         15,638         -26.6           Power         6,854         6,850         6,367         6,153         5,961         6,143         43,294         37,642         15.0           Manufacturing         6,975         6,980         6,948         6,777         6,403         4,812         46,350         31,356         47.8           Total Public Construction 2         31,859         31,010         26,868         24,928         22,481         30,111         176,685         168,213         5.0           Residential         771         755         667         638         588         681         4,565         4,109         11.1           Nonresidential         31,088         30,255         26,201         24,290         21,894         29,431         172,120         164,104         4.9           Office         1,396         1,363         1,244         1,246         1,175         1,177         8,626         7,232	Religious					547	610	3,761	3,978	-5.5
Communication         1,711         1,811         1,677         1,726         1,667         2,182         11,486         15,638         -26.6           Power Manufacturing         6,854         6,850         6,367         6,153         5,961         6,143         43,294         37,642         15.0           Manufacturing         6,975         6,980         6,948         6,777         6,403         4,812         46,350         31,356         47.8           Total Public Construction 2         31,859         31,010         26,868         24,928         22,481         30,111         176,685         168,213         5.0           Residential         771         755         667         638         588         681         4,565         4,109         11.1           Nonresidential         31,088         30,255         26,201         24,290         21,894         29,431         172,120         164,104         4.9           Office         1,396         1,363         1,244         1,246         1,175         1,177         8,626         7,232         19.3           Health care         910         918         857         778         804         706         5,677         4,87		697				772	882	-	,	-17.7
Power Manufacturing         6,854 6,975 6,980 6,980 6,948 6,777 6,403 4,812 46,350 31,356 47.8         43,294 37,642 46,350 31,356 47.8         43,294 46,350 31,356 47.8           Total Public Construction 2         31,859 31,010 26,868 24,928 22,481 30,111 176,685 168,213 5.0         30,111 176,685 168,213 5.0         50           Residential Nonresidential Office Commercial All Commercial Delate Service Serv	•							-		-6.4
Manufacturing         6,975         6,980         6,980         6,948         6,777         6,403         4,812         46,350         31,356         47.8           Total Public Construction 2         31,859         31,010         26,868         24,928         22,481         30,111         176,685         168,213         5.0           Residential         771         755         667         638         588         681         4,565         4,109         11.1           Nonresidential         31,088         30,255         26,201         24,290         21,894         29,431         172,120         164,104         4.9           Office         1,396         1,363         1,244         1,246         1,175         1,177         8,626         7,232         19.3           Commercial         379         382         328         310         323         308         2,217         2,029         9.3           Health care         910         918         857         778         804         706         5,677         4,875         16.5           Educational         9,193         8,778         7,472         7,071         6,619         8,768         50,898         48,252         5.5							,	•	•	
Total Public Construction 2         31,859         31,010         26,868         24,928         22,481         30,111         176,685         168,213         5.0           Residential         771         755         667         638         588         681         4,565         4,109         11.1           Nonresidential         31,088         30,255         26,201         24,290         21,894         29,431         172,120         164,104         4.9           Office         1,396         1,363         1,244         1,246         1,175         1,177         8,626         7,232         19.3           Commercial         379         382         328         310         323         308         2,217         2,029         9.3           Health care         910         918         857         778         804         706         5,677         4,875         16.5           Educational         9,193         8,778         7,472         7,071         6,619         8,768         50,898         48,252         5.5           Public safety         1,246         1,238         1,172         1,061         1,037         7,897         6,576         20.1           Amusement and rec		-								
Residential 771 755 667 638 588 681 4,565 4,109 11.1  Nonresidential 31,088 30,255 26,201 24,290 21,894 29,431 172,120 164,104 4.9  Office 1,396 1,363 1,244 1,246 1,175 1,177 8,626 7,232 19.3  Commercial 379 382 328 310 323 308 2,217 2,029 9.3  Health care 910 918 857 778 804 706 5,677 4,875 16.5  Educational 9,193 8,778 7,472 7,071 6,619 8,768 50,898 48,252 5.5  Public safety 1,246 1,238 1,172 1,127 1,061 1,037 7,897 6,576 20.1  Amusement and recreation 1,070 1,075 980 924 813 984 6,290 6,333 -0.7  Transportation 2,348 2,255 2,020 1,877 1,672 2,230 13,354 13,254 0.8  Power 1,109 1,246 1,303 1,296 992 1,014 7,458 6,832 9.2  Highway and street 9,207 8,775 6,931 5,798 4,656 8,910 43,208 42,387 1.9  Sewage and waste disposal 2,224 2,275 2,109 2,050 2,003 2,172 13,998 13,593 3.0	Manufacturing	6,975	6,980	6,948	6,777	6,403	4,812	46,350	31,356	47.8
Nonresidential         31,088         30,255         26,201         24,290         21,894         29,431         172,120         164,104         4.9           Office         1,396         1,363         1,244         1,246         1,175         1,177         8,626         7,232         19.3           Commercial         379         382         328         310         323         308         2,217         2,029         9.3           Health care         910         918         857         778         804         706         5,677         4,875         16.5           Educational         9,193         8,778         7,472         7,071         6,619         8,768         50,898         48,252         5.5           Public safety         1,246         1,238         1,172         1,127         1,061         1,037         7,897         6,576         20.1           Amusement and recreation         1,070         1,075         980         924         813         984         6,290         6,333         -0.7           Transportation         2,348         2,255         2,020         1,877         1,672         2,230         13,354         13,254         0.8 <t< th=""><th>Total Public Construction <sup>2</sup></th><th>31,859</th><th>31,010</th><th>26,868</th><th>24,928</th><th>22,481</th><th>30,111</th><th>176,685</th><th>168,213</th><th>5.0</th></t<>	Total Public Construction <sup>2</sup>	31,859	31,010	26,868	24,928	22,481	30,111	176,685	168,213	5.0
Office         1,396         1,363         1,244         1,246         1,175         1,177         8,626         7,232         19.3           Commercial         379         382         328         310         323         308         2,217         2,029         9.3           Health care         910         918         857         778         804         706         5,677         4,875         16.5           Educational         9,193         8,778         7,472         7,071         6,619         8,768         50,898         48,252         5.5           Public safety         1,246         1,238         1,172         1,127         1,061         1,037         7,897         6,576         20.1           Amusement and recreation         1,070         1,075         980         924         813         984         6,290         6,333         -0.7           Transportation         2,348         2,255         2,020         1,877         1,672         2,230         13,354         13,254         0.8           Power         1,109         1,246         1,303         1,296         992         1,014         7,458         6,832         9.2           Highway and street<	Residential	771	755	667	638	588	681	4,565	4,109	11.1
Office         1,396         1,363         1,244         1,246         1,175         1,177         8,626         7,232         19.3           Commercial         379         382         328         310         323         308         2,217         2,029         9.3           Health care         910         918         857         778         804         706         5,677         4,875         16.5           Educational         9,193         8,778         7,472         7,071         6,619         8,768         50,898         48,252         5.5           Public safety         1,246         1,238         1,172         1,127         1,061         1,037         7,897         6,576         20.1           Amusement and recreation         1,070         1,075         980         924         813         984         6,290         6,333         -0.7           Transportation         2,348         2,255         2,020         1,877         1,672         2,230         13,354         13,254         0.8           Power         1,109         1,246         1,303         1,296         992         1,014         7,458         6,832         9.2           Highway and street<	Nonresidential	31,088	30,255	26,201	24,290	21,894	29,431	172,120	164,104	4.9
Health care         910         918         857         778         804         706         5,677         4,875         16.5           Educational         9,193         8,778         7,472         7,071         6,619         8,768         50,898         48,252         5.5           Public safety         1,246         1,238         1,172         1,127         1,061         1,037         7,897         6,576         20.1           Amusement and recreation         1,070         1,075         980         924         813         984         6,290         6,333         -0.7           Transportation         2,348         2,255         2,020         1,877         1,672         2,230         13,354         13,254         0.8           Power         1,109         1,246         1,303         1,296         992         1,014         7,458         6,832         9.2           Highway and street         9,207         8,775         6,931         5,798         4,656         8,910         43,208         42,387         1.9           Sewage and waste disposal         2,224         2,275         2,109         2,050         2,003         2,172         13,998         13,593         3.0 <td>Office</td> <td>1,396</td> <td>1,363</td> <td>1,244</td> <td>1,246</td> <td>1,175</td> <td>1,177</td> <td>8,626</td> <td>7,232</td> <td>19.3</td>	Office	1,396	1,363	1,244	1,246	1,175	1,177	8,626	7,232	19.3
Educational         9,193         8,778         7,472         7,071         6,619         8,768         50,898         48,252         5.5           Public safety         1,246         1,238         1,172         1,127         1,061         1,037         7,897         6,576         20.1           Amusement and recreation         1,070         1,075         980         924         813         984         6,290         6,333         -0.7           Transportation         2,348         2,255         2,020         1,877         1,672         2,230         13,354         13,254         0.8           Power         1,109         1,246         1,303         1,296         992         1,014         7,458         6,832         9.2           Highway and street         9,207         8,775         6,931         5,798         4,656         8,910         43,208         42,387         1.9           Sewage and waste disposal         2,224         2,275         2,109         2,050         2,003         2,172         13,998         13,593         3.0	Commercial	379	382	328	310	323	308	2,217	2,029	9.3
Public safety         1,246         1,238         1,172         1,127         1,061         1,037         7,897         6,576         20.1           Amusement and recreation         1,070         1,075         980         924         813         984         6,290         6,333         -0.7           Transportation         2,348         2,255         2,020         1,877         1,672         2,230         13,354         13,254         0.8           Power         1,109         1,246         1,303         1,296         992         1,014         7,458         6,832         9.2           Highway and street         9,207         8,775         6,931         5,798         4,656         8,910         43,208         42,387         1.9           Sewage and waste disposal         2,224         2,275         2,109         2,050         2,003         2,172         13,998         13,593         3.0	Health care	910	918	857	778	804	706	5,677	4,875	16.5
Amusement and recreation     1,070     1,075     980     924     813     984     6,290     6,333     -0.7       Transportation     2,348     2,255     2,020     1,877     1,672     2,230     13,354     13,254     0.8       Power     1,109     1,246     1,303     1,296     992     1,014     7,458     6,832     9.2       Highway and street     9,207     8,775     6,931     5,798     4,656     8,910     43,208     42,387     1.9       Sewage and waste disposal     2,224     2,275     2,109     2,050     2,003     2,172     13,998     13,593     3.0								•		5.5
Transportation         2,348         2,255         2,020         1,877         1,672         2,230         13,354         13,254         0.8           Power         1,109         1,246         1,303         1,296         992         1,014         7,458         6,832         9.2           Highway and street         9,207         8,775         6,931         5,798         4,656         8,910         43,208         42,387         1.9           Sewage and waste disposal         2,224         2,275         2,109         2,050         2,003         2,172         13,998         13,593         3.0	•							-	•	20.1
Power         1,109         1,246         1,303         1,296         992         1,014         7,458         6,832         9.2           Highway and street         9,207         8,775         6,931         5,798         4,656         8,910         43,208         42,387         1.9           Sewage and waste disposal         2,224         2,275         2,109         2,050         2,003         2,172         13,998         13,593         3.0		-						-		
Highway and street       9,207       8,775       6,931       5,798       4,656       8,910       43,208       42,387       1.9         Sewage and waste disposal       2,224       2,275       2,109       2,050       2,003       2,172       13,998       13,593       3.0	•							•		0.8
Sewage and waste disposal 2,224 2,275 2,109 2,050 2,003 2,172 13,998 13,593 3.0								-	•	
								•	•	
vvater supply   1 1.4481 1.4161 1.2891 1.2941 1.2411 1.5421 8.9181 9.0401 -13		-								
										-1.3 6.6

<sup>&</sup>lt;sup>p</sup> Preliminary <sup>r</sup> Revised

<sup>&</sup>lt;sup>1</sup> Includes the following categories of private construction not shown separately: public safety, highway and street, sewage and waste disposal, water supply, and conservation and development.

 $<sup>^{\</sup>rm 2}$  Includes the following categories of public construction not shown separately: lodging, religious, communication, and manufacturing.

 $\label{thm:condition} \mbox{Table 3. Coefficients of Variation and Standard Errors by Type of Construction} \ \ \mbox{(Percent)}$ 

	Coefficient of v	variation	Standard error				
Type of Construction	Monthly estimate	Year-to-date estimate	Year-to-date change	Month-to-month change	Month-to-month change from prev. year		
Total Construction	0.9	0.6	0.8	1.0	1.1		
Residential	3.9	3.9	5.2	4.7	6.2		
Nonresidential	0.9	0.6	0.8	1.0	1.1		
Lodging	1.8	1.6	1.7	1.0	1.6		
Office	2.4	2.2	2.7	1.6	2.4		
Commercial	3.0	2.3	1.8	1.8	1.8		
Health care	1.8	1.6	2.3	1.1	2.8		
Educational	2.1	1.5	2.3	2.0	2.9		
Religious	5.4	4.3	4.4	3.7	5.8		
Public safety	3.0 3.7	2.0 3.3	3.4 3.7	1.6	3.9		
Amusement and recreation Transportation	2.5	3.3 1.8	2.2	3.5 2.7	4.4 2.9		
Communication	NA	NA	NA	NA	NA		
Power	1.0	0.7	1.0	0.5	0.8		
Highway and street	3.6	2.3	3.0	4.4	4.5		
Sewage and waste disposal	3.7	2.5	3.3	2.9	4.1		
Water supply	3.7	2.4	3.4	3.8	5.4		
Conservation and development	3.4	1.7	4.3	3.3	4.6		
Manufacturing	1.4	1.3	2.3	0.6	2.2		
Total Private Construction	1.0	0.8	1.0	0.6	1.0		
Residential	5.0	1.1	1.4	0.8	1.4		
Nonresidential	1.0	0.8	1.0	0.6	1.0		
Lodging	1.9	1.6	1.7	1.0	1.6		
Office	3.2	3.1	2.8	2.0	2.5		
Commercial	3.1	2.5	1.8	1.9	1.8		
Health care	2.2	2.0	2.7	1.2	3.2		
Educational	3.6	2.9	3.2	3.3	3.5		
Religious	5.4	4.3	4.4	3.7	5.8		
Amusement and recreation	5.0	4.7	4.5	4.0	5.3		
Transportation	9.2	7.7	6.0	6.0	6.7		
Communication	NA	NA	NA	NA	NA		
Power Manufacturing	0.8 1.4	0.6 1.3	0.8 2.3	0.4 0.6	0.6 2.2		
Total Public Construction	1.3	0.9	1.3	1.6	1.9		
Residential	3.9	3.9	5.2	4.7	6.2		
Nonresidential	1.3	0.9	1.3	1.6	1.9		
Office	2.4	1.6	5.6	2.2	4.3		
Commercial	6.4	4.8	6.5	5.1	9.7		
Health care	2.9	2.3	4.0	2.2	4.8		
Educational	2.4	1.7	2.7	2.3	3.4		
Public safety	3.1	2.0	3.6	1.6	4.1		
Amusement and recreation	5.1	4.5	5.7	5.1	7.3		
Transportation	2.6	1.9	2.4	2.9	3.2		
Power	5.6	3.5	9.7	2.5	6.3		
Highway and street	3.6	2.3	3.0	4.4	4.5		
Sewage and waste disposal	3.7	2.5	3.3	2.9	4.1		
Water supply	3.9	2.5	3.5	3.8	5.5		
Conservation and development	3.4	1.7	4.3	3.3	4.7		

NA Not applicable